

CLAIMS AS PUBLISHED IN THE PCT APPLICATION

1. A portable charger (10) comprising
 - a connection (12) to a source of electrical power,
 - a plurality of connection points (14a, 14b,...) for items of portable rechargeable equipment for different uses, and
 - an adapter (16), being powered by said source of electrical power and adapting it to provide recharging power for the items of portable rechargeable equipment, said adapter (16) comprising
 - 10 a microprocessor (22) and
 - a multi-voltage converter (24) supplying voltages and currents adapted to said items of equipment to be recharged, said adapter adapting the charging power to the item of portable equipment as a function of a charging program supplied to said charger.
- 15 2. The charger according to claim 1, characterised in that the charger is adapted to detect, and signal by a visual or aural signal, an incorrect status of a connection contact.
- 20 3. The charger according to one of the preceding claims, characterised in that one single type of connection lead connects the items of equipment to the charger.
4. The charger according to one of the preceding claims, characterised in that said connection point (14a, 14b...) is of the RJ 45 type.
- 25 5. The charger according to one of the preceding claims, characterised in that the RJ 45 type connection point is keyed to detect the charge program.
- 30 6. The charger according to the preceding claim, characterised in that different connection pins on said RJ 45 connection point are available to said items of portable equipment.
- 35 7. The charger according to one of Claims 1-3, characterised in that a connection point (14a, 14b,...) is a woven ribbon.
8. A recharging device (9) comprising
 - a charger (10) according to one of the preceding claims,

- a plurality of items of portable rechargeable equipment (20a, 20b,...) for different uses connected to said charger (10).

5 9. The device according to the preceding claim, characterised in that said items of equipment each have their own recharging program.

10. The device according to claim 8 or 9, characterised in that said charger (10) is connected by a suitable lead to a vehicle cigarette lighter or adapted to a utility mains supply.

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11. The device according to one of Claims 8-10, characterised in that a connection point (14d) of said charger (10) is a woven ribbon co-operating with another differently woven ribbon on one of said items of portable equipment (20d), the said ribbons gripping each other by contact.

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12. The device according to claim 11, characterised in that the ribbons comprise conducting fibers for the recharging power supply.

20 13. The device according to one of Claims 8-12, characterised in that the items of portable equipment (20a, 20b,...) are fastened by magnetization on said charger (10).

25 14. The device according to claim 13, characterised in that said items of portable equipment (20a, 20b,...) and said charger (10) each have a magnet with North-South polarity, said magnets guiding connection of the items of portable equipment to the charger.

30 15. The device according to claim 13, characterised in that the items of portable equipment (20a, 20b,...) comprise a soft iron pole piece co-operating with a magnet on the charger (10), or vice versa.

35 16. The device according to one of Claims 8-15, characterised in that a first item of equipment (20c) is connected to a second item of equipment (20e, 20f), the first item of equipment (20c) connecting the second item of equipment (20e, 20f) to the charger (10).

17. The device according to the preceding claim, characterised in that the second item of equipment is charged via the first item of equipment.

18. The device according to one of Claims 8 to 17, characterised in that the device further comprises a computer (30) connected to said charger (10), said adapter (16) adapting charging power to the item of portable equipment as a function of a charging program supplied by said computer (10).
- 5 19. The device according to the preceding claim, characterised in that said computer recognizes the item of portable equipment to be recharged.
- 10 20. The device according to the preceding claim, characterised in that the computer is adapted to download a charging program from the Internet.
- 15 21. The device according to one of claims 18 to 20, characterised in that the link between the computer and the charger is of the USB type.
- 20 22. The device according to one of Claims 8-21, characterised in that the charger adapts a receiving item of portable equipment (52) to a source item of portable equipment (50).
- 25 23. The device according to the preceding claim, characterised in that the item of receiving equipment (52) is adapted to be recharged on the item of source portable equipment (50) via said charger (10).
- 25 24. The device according to the preceding claim, characterised in that said item of source equipment (50) is adapted to trigger a switching function (58) in said charger (10) and to only enable switch-over to generator mode when there is connection of said item of source equipment (50) to said charger (10).
- 30 25. The device according to one of the preceding claims, characterised in that said charger (10) further comprises a converter (60) adapting the charging power of said item of source equipment (50) to said item of portable receiving equipment (52).
- 35 26. The device according to one of Claims 8 to 25, characterised in that said items of equipment supply said charger or other items of portable equipment with their charging program by wireless link.
27. The device according to one of Claims 8-26, characterised in that said items of equipment are of the type that include at least one rechargeable battery.